

## NIDCD ADMINISTRATIVE SUPPLEMENT FOR THE DEVELOPMENT OF MICE CARRYING TARGETED GENE MUTATIONS

The National Institute on Deafness and Other Communication Disorders announces the availability of administrative supplements to existing NIDCD-supported R01 grants. These supplements are available in the areas of hearing, balance, smell, taste, voice, speech, and language. The goal of the supplement is to assist NIDCD funded investigators in the creation of transgenic, knock-out, or knock-in mice that facilitate the aims of the ongoing parent grant and have the potential to significantly improve understanding of functional consequences of aberrant genes related to disorders within the mission of NIDCD. The intent of these supplements is to create mice utilizing either newly discovered genes or known genes, either of which may have been identified by a variety of strategies, but for which no mouse model already exists. Examples of sources of genes appropriate for this administrative supplement include, but are not limited to: 1) genes identified after analysis of expression patterns comparing normal and disease conditions, 2) novel genes or expressed sequence tags (ESTs) which have been shown, or are suspected, to be associated with a disease, 3) instances where observed changes in protein abundance have been detected suggesting an underlying candidate locus, 4) loci identified based on data from intracellular localization. In any case, supportive data (clinical, biochemical, physiological, histological, linkage, etc.) should be provided which describes the basis for selecting the candidate gene and how the assessment of mice carrying the particular target relates to the aims of the parent grant.

### Eligibility:

The NIDCD will consider one application per principal investigator (PI), regardless of the number of funded NIDCD grants the PI holds. NIDCD will provide support up to \$50,000 in TOTAL costs, but individual project costs are expected to vary dependent upon available reagents compared to projects where they need to be generated. Supplements are not renewable and any consortium costs and/or subcontract costs must be included in the \$50,000 TOTAL costs. Only parent grants/contracts funded through **September 30, 2004** are eligible to apply.

Applications must include the following:

- Demonstration that the resources and expertise necessary to carryout the proposed experiments are available.
- A clear description of how the supplemental proposal enhances the outcomes of the parent grant without significantly expanding the scope of the already approved parent grant's specific aims.

- A description of how transgenic, knock-out, and knock-in mice created will be useful to the broader scientific research community.
- Specific justification of the proposed budget.
- Plans for sharing of data and resources resulting from the supplemental project see [http://grants1.nih.gov/grants/policy/data\\_sharing/index.htm](http://grants1.nih.gov/grants/policy/data_sharing/index.htm).

#### Award Information:

The earliest possible award date is **August 15, 2003**. The NIDCD expects to make 10 – 20 awards in FY2003, based upon the merits of the applications, as well as availability of funds. Supplement requests should contain enough detail to allow the determination of the scientific merit of the proposal, as well as the justification for supplemental funds. Requests for supplements will be reviewed administratively in the context of overall eligibility, relevance to the NIDCD mission, and merits of the proposed plan for sharing data.

#### Application Instructions:

The request for the supplemental award MUST include the following:

1. A completed face page, including appropriate signatures, from [Grant Application Form PHS 398](#) (Revised 05/01; updated 06/02). Include the title and number of the parent grant on line 1 and enter 'Admin. Suppl. for The Development of Mice Carrying Targeted Gene Mutations' on line 2.
2. A description (maximum 5 pages) of the plans for creation and utilization of mice carrying targeted gene mutations that includes:
  - A brief summary of the abstract and specific aims of parent grant (no more than 1 page).
  - Detailed description of the proposed plan to create targeted mouse mutants, the rationale for the selection of the specific locus, and data which support that selection in sufficient detail to make the case for the proposal.
3. An itemized proposed budget on the budget pages from Grant Application Form PHS 398.
4. Inclusion of plans for safeguarding confidential and proprietary data as well as letters of collaboration in cases where reagents will be shared.
5. Should the proposed efforts require animal involvement different from that of the parent grant, approving documentation by [Institutional Animal Care and Use Committee \(IACUC\)](#) must be provided.
6. A letter indicating approval and commitment of resources and effort of the proposed activity from the applicant's institution.
7. There is a post-award requirement of a one-page summary of results generated by the supplement to be included with the next progress report to the NIDCD.

The proposal for the administrative supplement must be received by **June 15, 2003**. Two exact copies of the proposal should be sent to Bracie Watson . The request SHOULD NOT be submitted to the NIH Center for Scientific Review (CSR). If, after reading the attached guidelines, you are interested in applying for a supplement and have questions, feel free to contact me by e-mail at [watsonb@nidcd.nih.gov](mailto:watsonb@nidcd.nih.gov) or by phone at (301) 402-3458.

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